

Average annual ug/m³ concentrations

Compound	2000 Manchester	2000 Claremont	2000 Portsmouth	2001 Manchester	2001 Claremont	2001 Portsmouth	2002 Manchester	2002 Claremont	2002 Portsmouth
ethylene	2.0	1.8	2.6	2.6	1.9	2.8	2.6	1.6	2.2
acetylene	2.0	1.9	2.8	2.1	1.7	2.9	2.1	1.3	1.7
ethane	3.8	2.8	6.7	5.8	3.1	10	8.0	2.9	7.4
propene	0.75	0.64	1.1	0.99	0.84	1.3	1.0	0.66	0.92
propane	5.3	6.7	5.9	5.8	6.4	7.3	5.5	6.2	5.6
chloromethane	1.2	1.2	1.3	1.1	1.2	1.1	1.1	1.1	1.1
vinyl chloride	0.15	0.15	0.052	0.027	0.074	0.095	0.059	0.061	0.061
isobutane	1.4	1.1	3.0	1.7	2.4	5.3	1.9	0.78	3.4
acetaldehyde	17	15	27	19	17	9.8	19	13	19
1-butene	0.76	0.48	1.3	0.94	0.70	1.6	1.0	0.53	1.1
1,3-butadiene	0.15	0.14	0.17	0.15	0.13	0.21	0.13	0.093	0.12
1,1-dichloroethene	0.15	0.15	0.12	0.026	0.077	0.097	0.092	0.10	0.10
methylene chloride	0.28	0.22	0.71	0.39	0.30	0.66	0.71	0.18	1.9
1,1-dichloroethane	0.16	0.17	0.16	0.025	0.082	0.10	0.082	0.088	0.088
chloroform	0.27	0.28	0.11	0.10	0.16	0.21	0.11	0.090	0.13
Ethylene dichloride	0.21	0.21	0.21	0.037	0.12	0.13	0.092	0.095	0.10
1,1,1-trichloroethane	0.26	2.2	0.39	0.21	1.3	0.31	0.21	0.76	0.25
carbon tetrachloride	0.57	0.56	0.57	0.57	0.59	0.59	0.60	0.61	0.62
propylene dichloride	0.17	0.18	0.28	0.032	0.092	0.11	0.16	0.17	0.17
trichloroethylene	0.23	0.22	0.79	0.094	0.16	0.63	0.12	0.12	0.77
butane	2.0	1.9	6.1	2.9	2.2	9.4	2.8	1.5	6.1
acetonitrile	0.27	0.22	0.24	0.41	0.36	0.30	1.4	0.58	0.46
acetone	12	12	13	11	12	10	14	8.8	11
isopentane	2.5	2.5	7.8	2.9	2.9	9.5	3.1	2.0	6.0
pentane	2.1	0.99	3.8	1.8	1.5	4.3	1.8	0.97	2.9
carbon disulfide	0.27	0.32	0.42	0.26	0.19	0.17	0.22	0.13	0.21
ethylene dibromide	0.46	0.46	0.31	0.045	0.21	0.27	0.19	0.19	0.19
1,1,2,2-Tetrachloroethane				0.073	0.16	0.23	0.20	0.21	0.21
perchloroethylene	0.54	0.53	0.45	0.31	0.31	2.1	0.25	0.21	2.4
chlorobenzene	0.25	0.25	0.28	0.052	0.12	0.16	0.10	0.10	0.10
a-pinene	0.66	0.72	0.54	0.50	0.67	0.39	6.1	0.71	0.38
ethylene oxide	0.33	0.36	0.49	0.37	0.47	0.28	0.37	0.31	0.39
MTBE	1.5	0.57	5.6	1.7	0.61	6.0	1.9	0.41	4.8
2-methylpentane	0.75	0.67	2.1	1.0	0.88	2.5	1.0	0.60	2.1
methyl ethyl ketone	1.6	1.6	2.7	1.1	1.3	1.7	1.5	0.98	1.6
3-methylpentane	0.52	0.45	1.4	0.65	0.59	1.7	0.58	0.34	1.3
benzene	1.0	0.99	1.4	1.3	1.2	1.7	1.2	0.86	1.2
toluene	2.0	1.6	4.5	3.1	2.7	5.2	3.0	1.5	4.4
ethylbenzene	0.37	0.34	0.96	0.50	0.48	1.1	0.52	0.28	0.77
p & m xylenes	1.1	0.97	3.3	1.5	1.43	3.6	1.4	0.82	2.5
o-xylene	0.41	0.40	1.2	0.57	0.57	1.2	0.57	0.33	0.94
Total xylenes	1.5	1.4	4.4	2.1	2.0	4.8	2.0	1.1	3.4
styrene	0.16	0.11	0.41	0.24	0.18	0.46	0.31	0.075	0.25
n-hexane	0.61	0.43	2.2	0.76	0.58	2.4	0.71	0.33	1.6
n-heptane	0.36	0.24	1.2	0.50	0.40	1.3	0.45	0.20	0.91
1,2,4-trimethylbenzene	0.32	0.32	1.0	0.54	0.52	1.2	0.77	0.33	0.89
trans-2-butene	0.083	0.086	0.34	0.18	0.14	0.50	0.13	0.093	0.29
cis-2-butene	0.075	0.084	0.28	0.15	0.14	0.43	0.11	0.091	0.25
acrolein	0.19	0.74	0.95	0.74	0.89	0.79	0.82	0.67	0.81
1-pentene	0.16	0.13	0.31	0.12	0.15	0.38	0.16	0.11	0.33
isoprene	0.30	0.16	0.28	0.19	0.22	0.20	0.45	0.41	0.35
trans-2-pentene	0.26	0.10	0.36	0.13	0.15	0.59	0.14	0.092	0.47
cis-2-pentene	0.15	0.070	0.18	0.066	0.079	0.30	0.074	0.056	0.25
2,2-dimethylbutane	0.20	0.18	0.27	0.11	0.16	0.31	0.11	0.15	0.21
cyclopentane	0.60	0.15	0.34	0.13	0.11	0.25	0.11	0.077	0.24
2,3-dimethylbutane	0.24	0.20	0.75	0.31	0.25	0.86	0.31	0.17	0.61
methylcyclopentane	0.44	0.21	0.80	0.39	0.32	1.0	0.38	0.19	0.83
2,4-dimethylpentane	0.48	0.13	0.38	0.15	0.130	0.33	0.16	0.083	0.33
cyclohexane	0.18	0.14	0.49	0.31	0.179	0.82	0.30	0.11	0.55
2-methylhexane	0.19	0.51	1.2	0.59	0.42	0.90	0.33	0.17	0.67
2,3-dimethylpentane	0.22	0.16	0.70	0.29	0.22	0.59	0.23	0.12	0.48
3-methylhexane	0.24	0.31	0.96	0.66	0.53	1.0	0.45	0.21	0.78

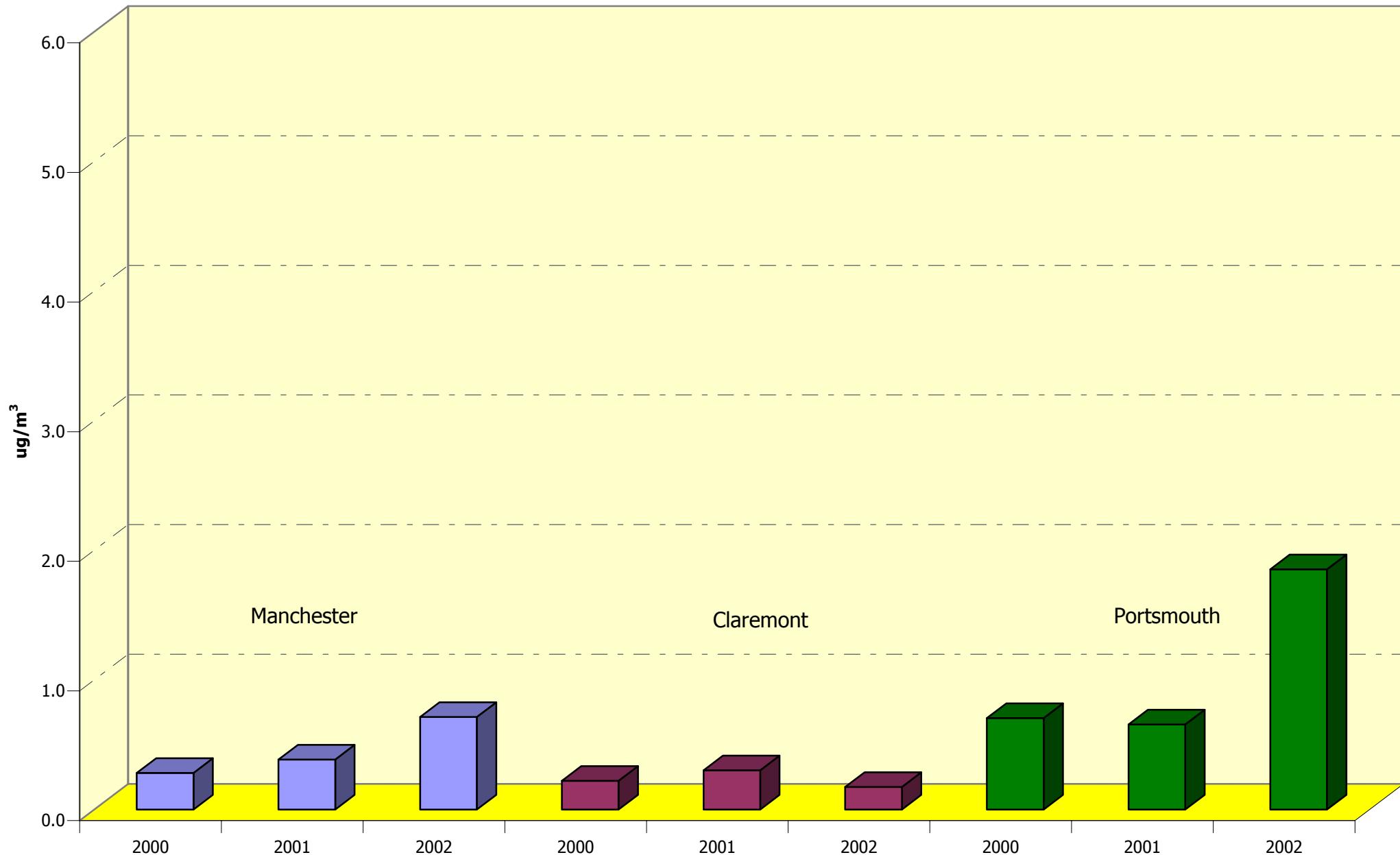
<i>2,2,4-trimethylpentane</i>	0.27	0.39	1.7	0.55	0.66	1.0	0.53	0.40	1.1
<i>methylcyclohexane</i>	0.20	0.13	0.43	0.31	0.21	0.51	0.26	0.095	0.39
<i>2,3,4-trimethylpentane</i>	0.054	0.17	0.61	0.22	0.233	0.36	0.24	0.12	0.43
<i>2-methylheptane</i>	1.6	0.20	0.42	0.44	0.24	0.37	0.28	0.093	0.37
<i>3-methylheptane</i>	0.10	0.19	0.49	0.39	0.28	0.53	0.32	0.16	0.37
<i>n-octane</i>	0.24	0.17	0.73	0.57	0.29	0.88	0.36	0.15	0.49
<i>n-nonane</i>	0.14	0.14	0.52	0.26	0.17	0.72	0.25	0.10	0.35
<i>isopropylbenzene</i>	0.095	0.051	0.079	0.191	0.198	0.17	0.081	0.085	0.10
<i>benzaldehyde</i>	0.13	1.0	2.4	0.90	0.86	1.1	1.2	0.81	0.68
<i>n-propylbenzene</i>	0.20	0.10	0.25	0.14	0.13	0.29	0.17	0.082	0.21
<i>m-ethyltoluene</i>	0.42	0.23	0.71	0.39	0.35	0.80	0.43	0.22	0.56
<i>p-ethyltoluene</i>	0.087	0.14	0.34	0.18	0.173	0.39	0.21	0.11	0.28
<i>1,3,5-trimethylbenzene</i>	0.15	0.088	0.28	0.16	0.138	0.35	0.19	0.090	0.24
<i>o-ethyltoluene</i>	0.13	0.10	0.25	0.15	0.134	0.31	0.19	0.084	0.23
<i>n-decane</i>	0.16	0.13	0.97	0.30	0.18	1.4	0.23	0.10	0.55
<i>p-dichlorobenzene</i>	0.15	0.43	0.42	0.08	0.20	0.27	0.19	0.20	0.19
<i>1,2,3-trimethylbenzene</i>	0.59	0.086	0.22	0.13	0.138	0.34	0.18	0.073	0.21
<i>m-diethylbenzene</i>	0.21	0.16	0.11	0.029	0.084	0.13	0.10	0.10	0.13
<i>p-diethylbenzene</i>	0.23	0.13	0.25	0.11	0.140	0.31	0.14	0.096	0.24
<i>n-undecane</i>	0.25	0.13	1.6	0.26	0.28	1.7	0.29	0.23	0.96
<i>acrylonitrile</i>	0.76	0.13	0.20	0.056	0.10	0.10	0.16	0.17	0.17
<i>ethyl acetate</i>	0.24	0.39	1.1	1.1	1.0	0.39	0.62	0.85	1.4
<i>cis-1,3-dichloropropene</i>	0.27	0.21	0.18	0.054	0.12	0.14	0.12	0.13	0.13
<i>trans-1,3-dichloropropene</i>	8.4	0.23	0.18	0.023	0.10	0.12	0.14	0.15	0.15
<i>total -1,3-dichloropropene</i>	8.7	0.44	0.37	0.077	0.21	0.26	0.27	0.27	0.27

NATA List	Manchester			Claremont			Portsmouth		
	2000	2001	2002	2000	2001	2002	2000	2001	2002
1,1,2,2-Tetrachloroethane	0.00	0.073	0.20	0.00	0.16	0.21	0.00	0.23	0.21
1,1-dichloroethene	0.15	0.026	0.092	0.15	0.077	0.10	0.12	0.10	0.10
ethylene dibromide	0.46	0.045	0.19	0.46	0.21	0.19	0.31	0.27	0.19
Ethylene dichloride	0.21	0.037	0.092	0.21	0.12	0.095	0.21	0.13	0.095
propylene dichloride	0.17	0.032	0.16	0.18	0.092	0.17	0.28	0.11	0.17
1,3-butadiene	0.15	0.15	0.13	0.14	0.13	0.093	0.17	0.21	0.12
acrolein	0.19	0.74	0.82	0.74	0.89	0.67	0.95	0.79	0.81
acrylonitrile	0.76	0.056	0.16	0.13	0.10	0.17	0.20	0.10	0.17
benzene	1.0	1.3	1.2	0.99	1.2	0.86	1.4	1.7	1.2
carbon tetrachloride	0.57	0.57	0.60	0.56	0.59	0.61	0.57	0.59	0.62
chloroform	0.27	0.10	0.11	0.28	0.16	0.090	0.11	0.21	0.13
ethylene oxide	0.33	0.37	0.37	0.36	0.47	0.31	0.49	0.28	0.39
methylene chloride	0.28	0.39	0.71	0.22	0.30	0.18	0.71	0.66	1.9
perchloroethylene	0.54	0.31	0.25	0.53	0.31	0.21	0.45	2.1	2.4
total -1,3-dichloropropene	8.7	0.077	0.27	0.44	0.21	0.27	0.37	0.26	0.27
trichloroethylene	0.23	0.094	0.12	0.22	0.16	0.12	0.79	0.63	0.77
vinyl chloride	0.15	0.027	0.059	0.15	0.074	0.061	0.052	0.095	0.061
Others	indicates 75% of results > DL								
1,1,1-trichloroethane	0.26	0.21	0.21	2.2	1.3	0.76	0.39	0.31	0.25
2,2,4-trimethylpentane	0.27	0.55	0.53	0.39	0.66	0.40	1.7	1.0	1.1
acetaldehyde	17	19	19	15	17	13	27	9.8	19
acetone	12	11	14	12	12	8.8	13	10	11
acetonitrile	0.27	0.41	1.4	0.22	0.36	0.58	0.24	0.30	0.46
chloromethane	1.2	1.1	1.1	1.2	1.2	1.1	1.3	1.1	1.1
ethylbenzene	0.37	0.50	0.52	0.34	0.48	0.28	0.96	1.1	0.77
methyl ethyl ketone	1.6	1.1	1.5	1.6	1.3	1.0	2.7	1.7	1.6
MTBE	1.5	1.7	1.9	0.57	0.61	0.41	5.6	6.0	4.8
n-hexane	0.61	0.76	0.71	0.43	0.58	0.33	2.2	2.4	1.6
styrene	0.16	0.24	0.31	0.11	0.18	0.075	0.41	0.46	0.25
toluene	2.0	3.1	3.0	1.6	2.7	1.5	4.5	5.2	4.4
Total xylenes	1.5	2.1	2.0	1.4	2.0	1.1	4.4	4.8	3.4
a-pinene	0.66	0.50	6.1	0.72	0.67	0.71	0.54	0.39	0.38
carbon disulfide	0.27	0.26	0.22	0.32	0.19	0.13	0.42	0.17	0.21
1,1-dichloroethane	0.16	0.025	0.082	0.17	0.082	0.088	0.16	0.10	0.088
1,2,3-trimethylbenzene	0.59	0.13	0.18	0.086	0.14	0.073	0.22	0.34	0.21
1,2,4-trimethylbenzene	0.32	0.54	0.77	0.32	0.52	0.33	1.0	1.2	0.89
1,3,5-trimethylbenzene	0.15	0.16	0.19	0.088	0.14	0.09	0.28	0.35	0.24
1-butene	0.76	0.94	1.00	0.48	0.70	0.53	1.3	1.6	1.1
1-pentene	0.16	0.12	0.16	0.13	0.15	0.11	0.31	0.38	0.33
2,2-dimethylbutane	0.20	0.11	0.11	0.18	0.16	0.15	0.27	0.31	0.21
2,3,4-trimethylpentane	0.05	0.22	0.24	0.17	0.23	0.12	0.61	0.36	0.43
2,3-dimethylbutane	0.24	0.31	0.31	0.20	0.25	0.17	0.75	0.86	0.61
2,3-dimethylpentane	0.22	0.29	0.23	0.16	0.22	0.12	0.70	0.59	0.48
2,4-dimethylpentane	0.48	0.15	0.16	0.13	0.13	0.08	0.38	0.33	0.33
2-methylheptane	1.6	0.44	0.28	0.20	0.24	0.09	0.42	0.37	0.37
2-methylhexane	0.19	0.59	0.33	0.51	0.42	0.17	1.2	0.90	0.67
2-methylpentane	0.75	1.0	1.0	0.67	0.88	0.60	2.1	2.5	2.1
3-methylheptane	0.10	0.39	0.32	0.19	0.28	0.16	0.49	0.53	0.37
3-methylhexane	0.24	0.66	0.45	0.31	0.53	0.21	1.0	1.0	0.78
3-methylpentane	0.52	0.65	0.58	0.45	0.59	0.34	1.4	1.7	1.3
acetylene	2.0	2.1	2.1	1.9	1.7	1.3	2.8	2.9	1.7
benzaldehyde	0.1	0.9	1.2	1.0	0.9	0.8	2.4	1.1	0.7
butane	2.0	2.9	2.8	1.9	2.2	1.5	6.1	9.4	6.1
chlorobenzene	0.2	0.1	0.1	0.2	0.1	0.1	0.3	0.2	0.1
cis-2-butene	0.1	0.2	0.1	0.1	0.1	0.1	0.3	0.4	0.3

<i>cis</i> -2-pentene	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.2
cyclohexane	0.2	0.3	0.3	0.1	0.2	0.1	0.5	0.8	0.6
cyclopentane	0.6	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.2
ethane	3.8	5.8	8.0	2.8	3.1	2.9	6.7	10.5	7.4
ethyl acetate	0.2	1.1	0.6	0.4	1.0	0.8	1.1	0.4	1.4
ethylene	2.0	2.6	2.6	1.8	1.9	1.6	2.6	2.8	2.2
isobutane	1.4	1.7	1.9	1.1	2.4	0.8	3.0	5.3	3.4
isopentane	2.5	2.9	3.1	2.5	2.9	2.0	7.8	9.5	6.0
isoprene	0.3	0.2	0.4	0.2	0.2	0.4	0.3	0.2	0.4
isopropylbenzene	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.1
<i>m</i> -diethylbenzene	0.2	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1
methylcyclohexane	0.2	0.3	0.3	0.1	0.2	0.1	0.4	0.5	0.4
methylcyclopentane	0.4	0.4	0.4	0.2	0.3	0.2	0.8	1.0	0.8
<i>m</i> -ethyltoluene	0.4	0.4	0.4	0.2	0.4	0.2	0.7	0.8	0.6
<i>n</i> -decane	0.2	0.3	0.2	0.1	0.2	0.1	1.0	1.4	0.6
<i>n</i> -heptane	0.4	0.5	0.5	0.2	0.4	0.2	1.2	1.3	0.9
<i>n</i> -nonane	0.1	0.3	0.2	0.1	0.2	0.1	0.5	0.7	0.4
<i>n</i> -octane	0.2	0.6	0.4	0.2	0.3	0.2	0.7	0.9	0.5
<i>n</i> -propylbenzene	0.2	0.1	0.2	0.1	0.1	0.1	0.3	0.3	0.2
<i>n</i> -undecane	0.2	0.3	0.3	0.1	0.3	0.2	1.6	1.7	1.0
<i>o</i> -ethyltoluene	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.3	0.2
<i>o</i> -xylene	0.4	0.6	0.6	0.4	0.6	0.3	1.2	1.2	0.9
p & m xylenes	1.1	1.5	1.4	1.0	1.4	0.8	3.3	3.6	2.5
<i>p</i> -dichlorobenzene	0.1	0.1	0.2	0.4	0.2	0.2	0.4	0.3	0.2
<i>p</i> -diethylbenzene	0.2	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.2
pentane	2.1	1.8	1.8	1.0	1.5	1.0	3.8	4.3	2.9
<i>p</i> -ethyltoluene	0.1	0.2	0.2	0.1	0.2	0.1	0.3	0.4	0.3
propane	5.3	5.8	5.5	6.7	6.4	6.2	5.9	7.3	5.6
propene	0.7	1.0	1.0	0.6	0.8	0.7	1.1	1.3	0.9
<i>trans</i> -2-butene	0.1	0.2	0.1	0.1	0.1	0.1	0.3	0.5	0.3
<i>trans</i> -2-pentene	0.3	0.1	0.1	0.1	0.1	0.1	0.4	0.6	0.5

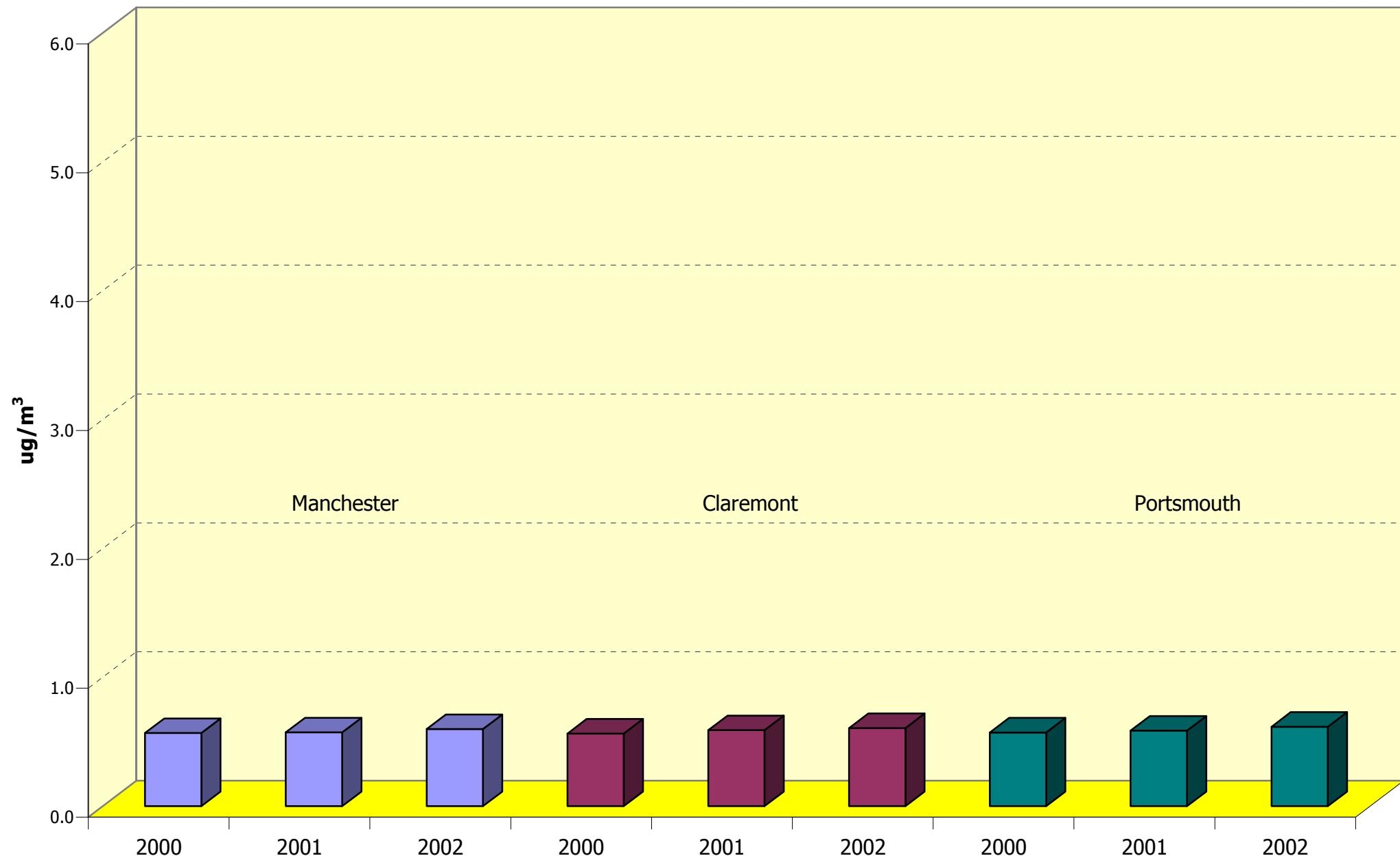
New Hampshire Department of Environmental Services - Air Resources Division

Average Annual Ambient Concentration - Methylene chloride



New Hampshire Department of Environmental Services - Air Resources Division

Annual Average Ambient Concentration - Carbon tetrachloride

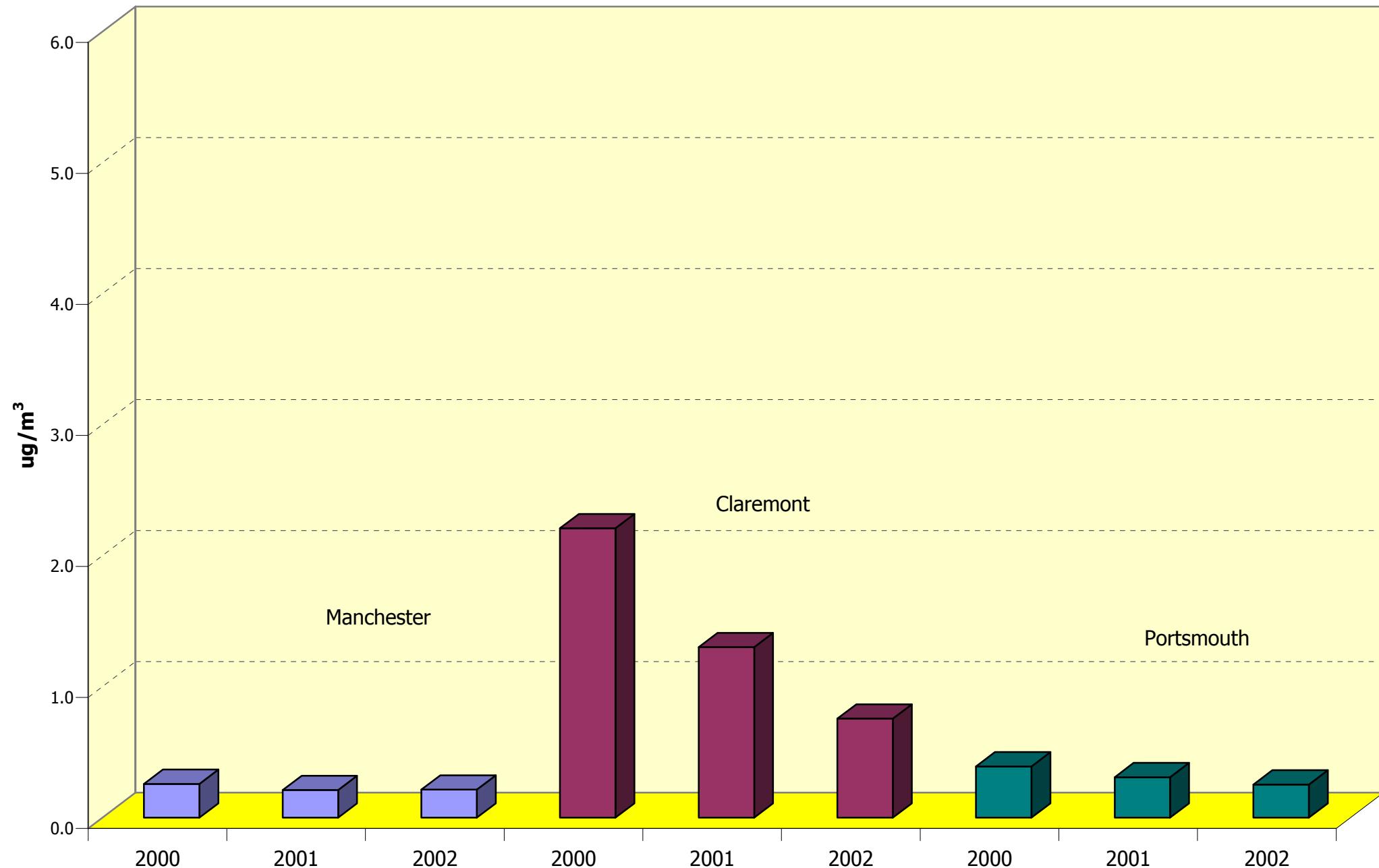


Average concentration reported as above the detection limit in >75% of the sample taken in a given year.

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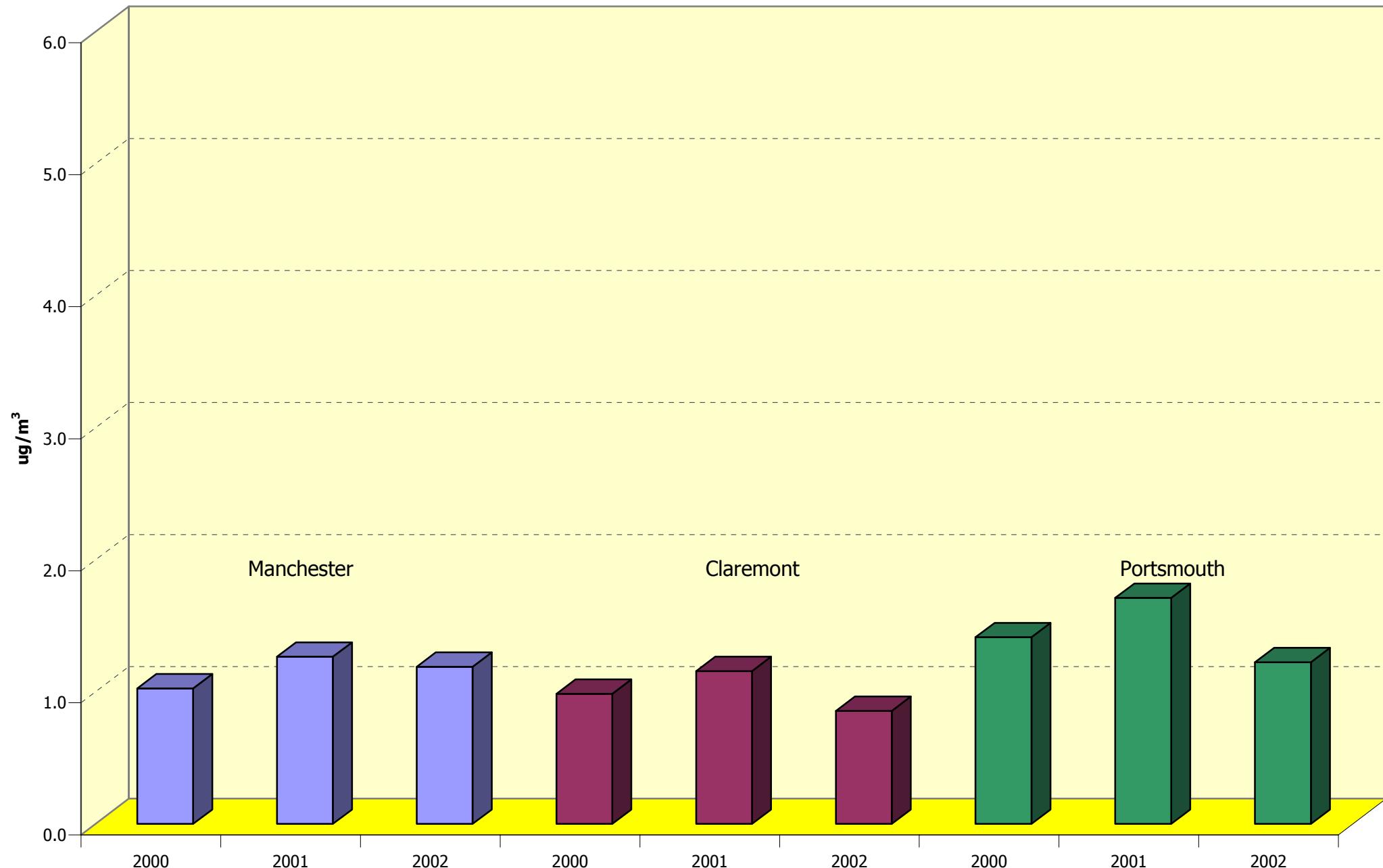
New Hampshire Department of Environmental Services - Air Resources Division

Average Annual Ambient Concentration - 1,1,1-trichloroethane



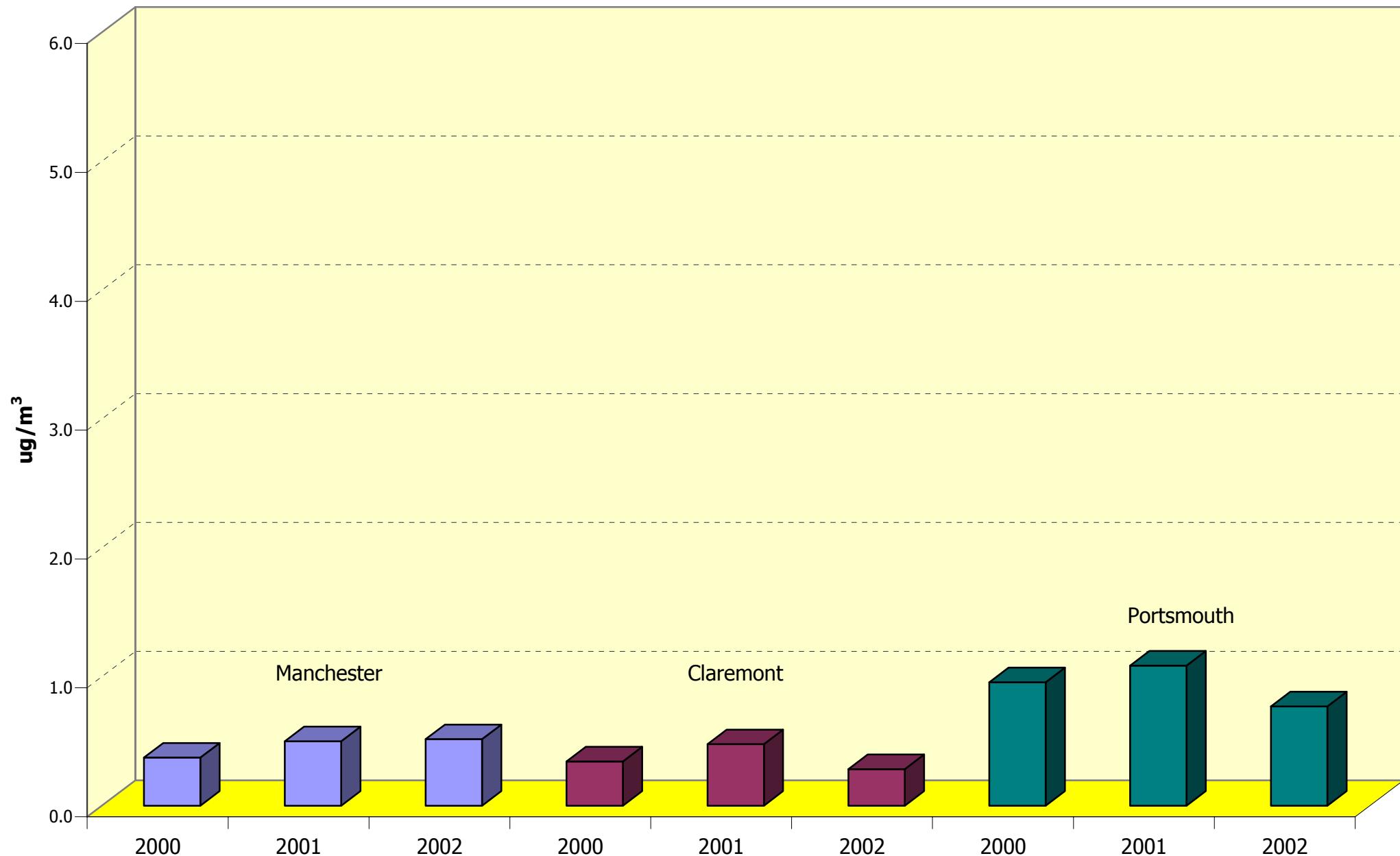
New Hampshire Department of Environmental Services - Air Resources Division

Average Annual Ambient Concentration - Benzene



New Hampshire Department of Environmental Services - Air Resources Division

Average Annual Ambient Concentration - Ethylbenzene

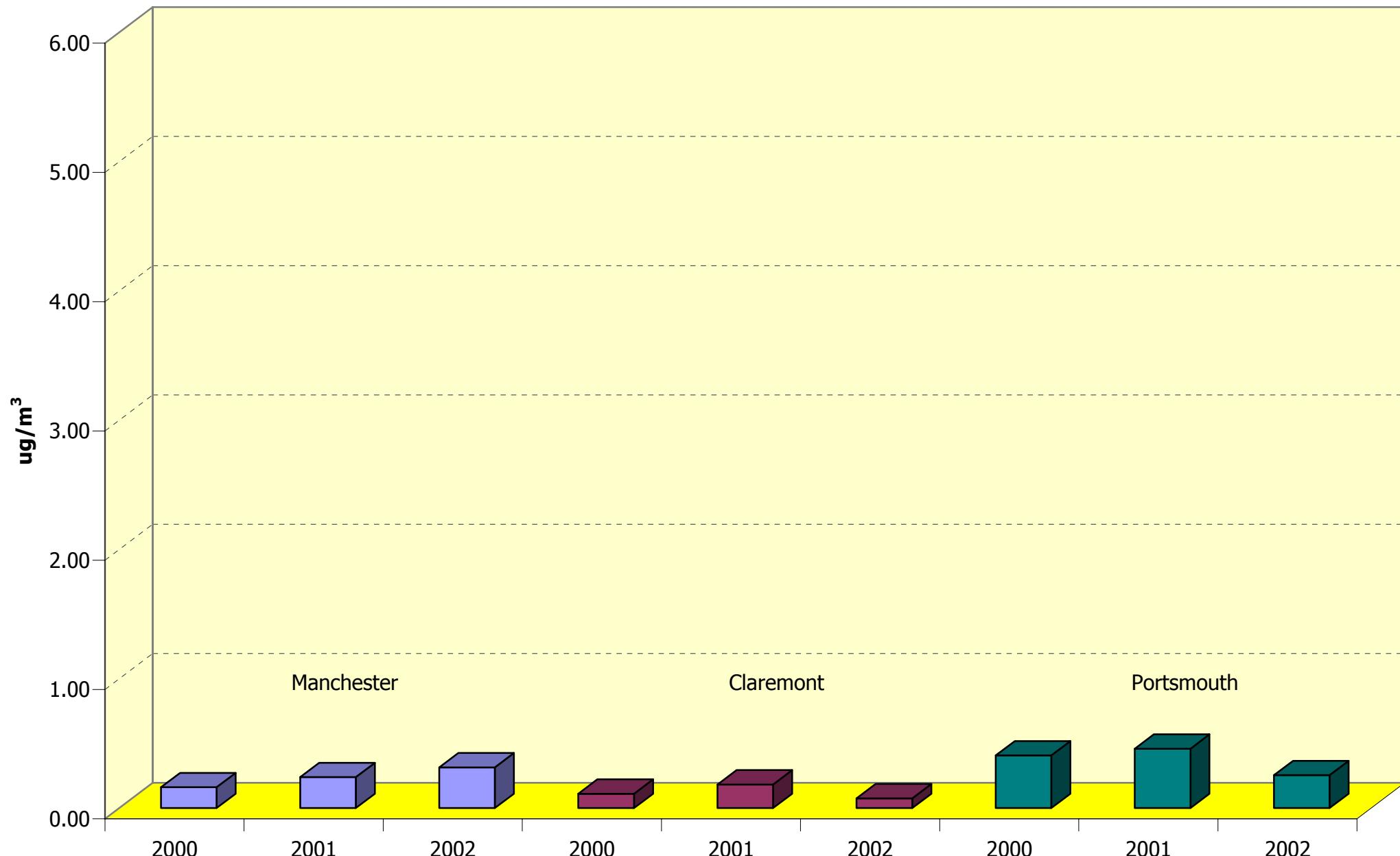


Average concentration reported as above the detection limit in >75% of the sample taken in a given year.

Created: 1/03

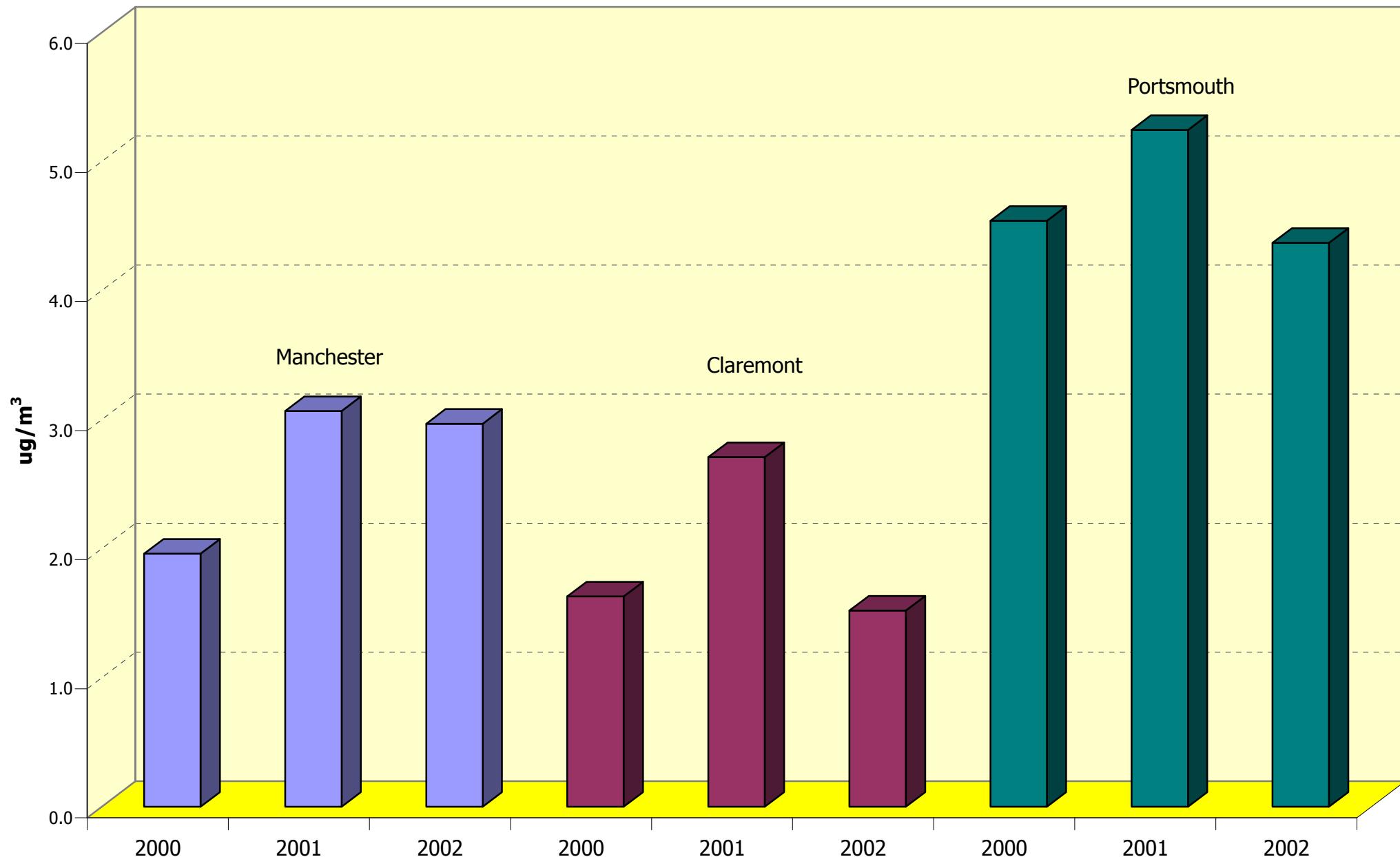
New Hampshire Department of Environmental Services - Air Resources Division

Average Annual Ambient Concentration - Styrene



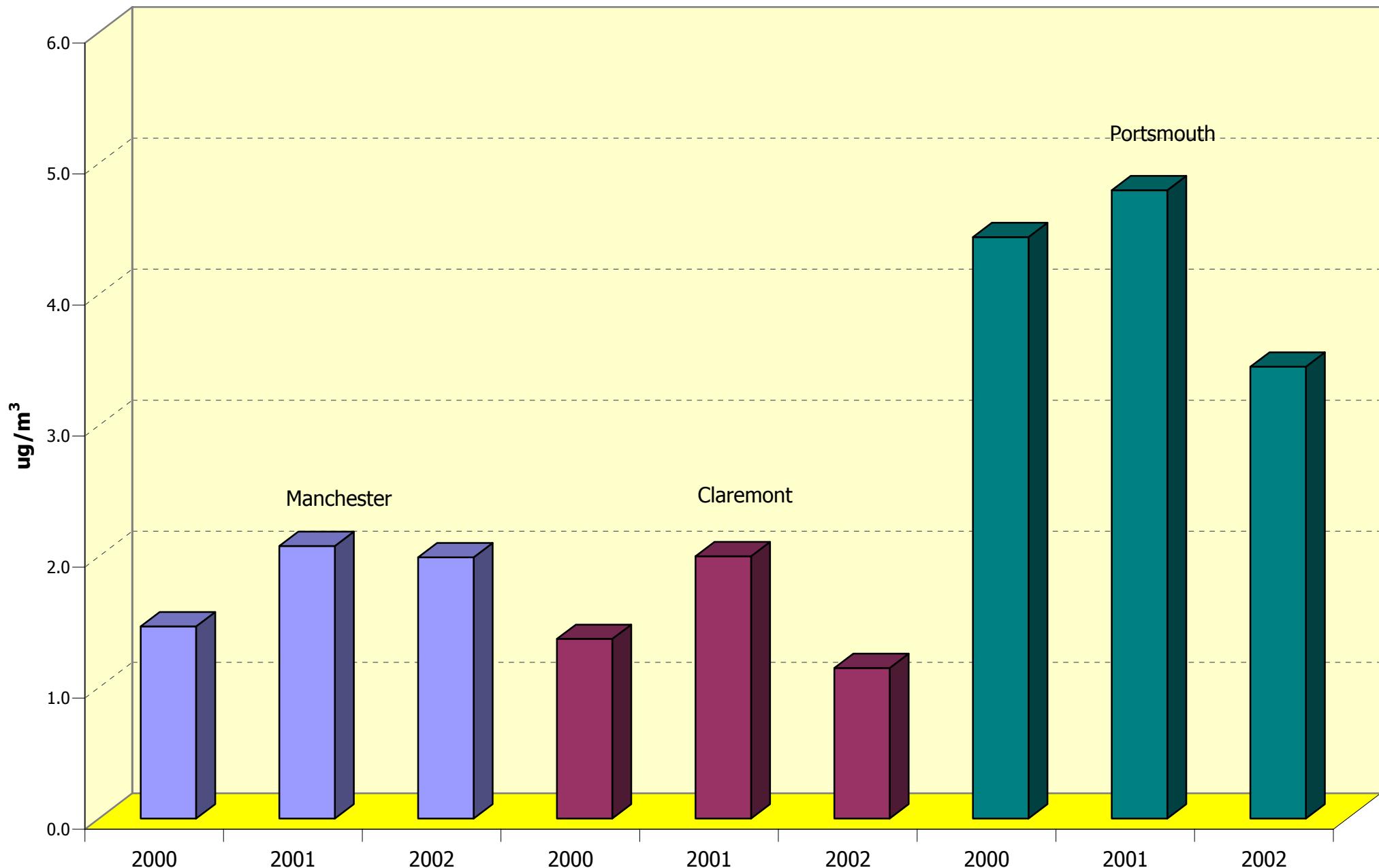
New Hampshire Department of Environmental Services - Air Resources Division

Average Annual Ambient Concentration - Toluene



New Hampshire Department of Environmental Services - Air Resources Division

Average Annual Ambient Concentration - Total xylenes

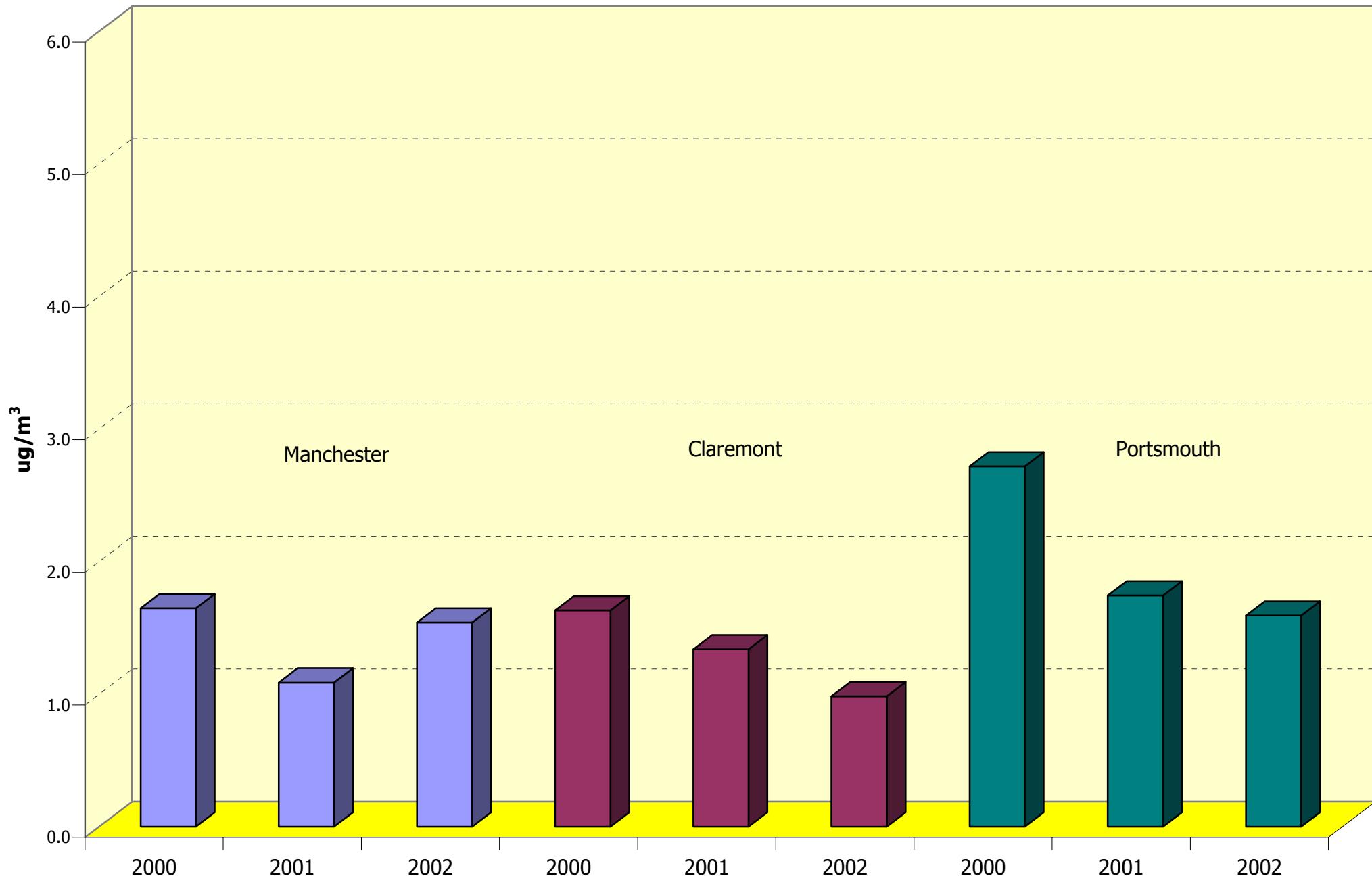


Average concentration reported as above the detection limit in >75% of the sample taken in a given year.

Created: 1/03

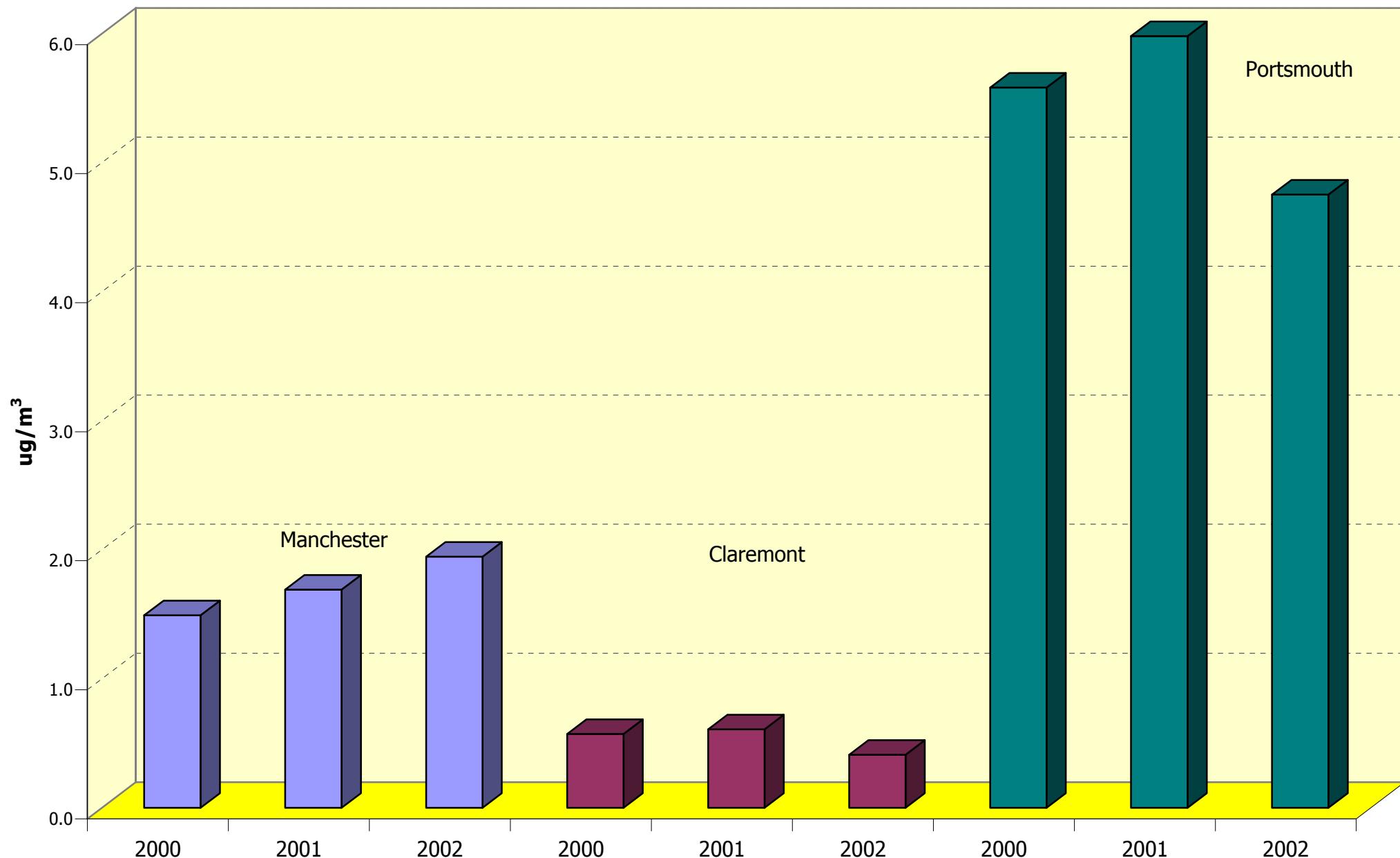
New Hampshire Department of Environmental Services - Air Resources Division

Average Annual Ambient Concentration - Methyl ethyl ketone



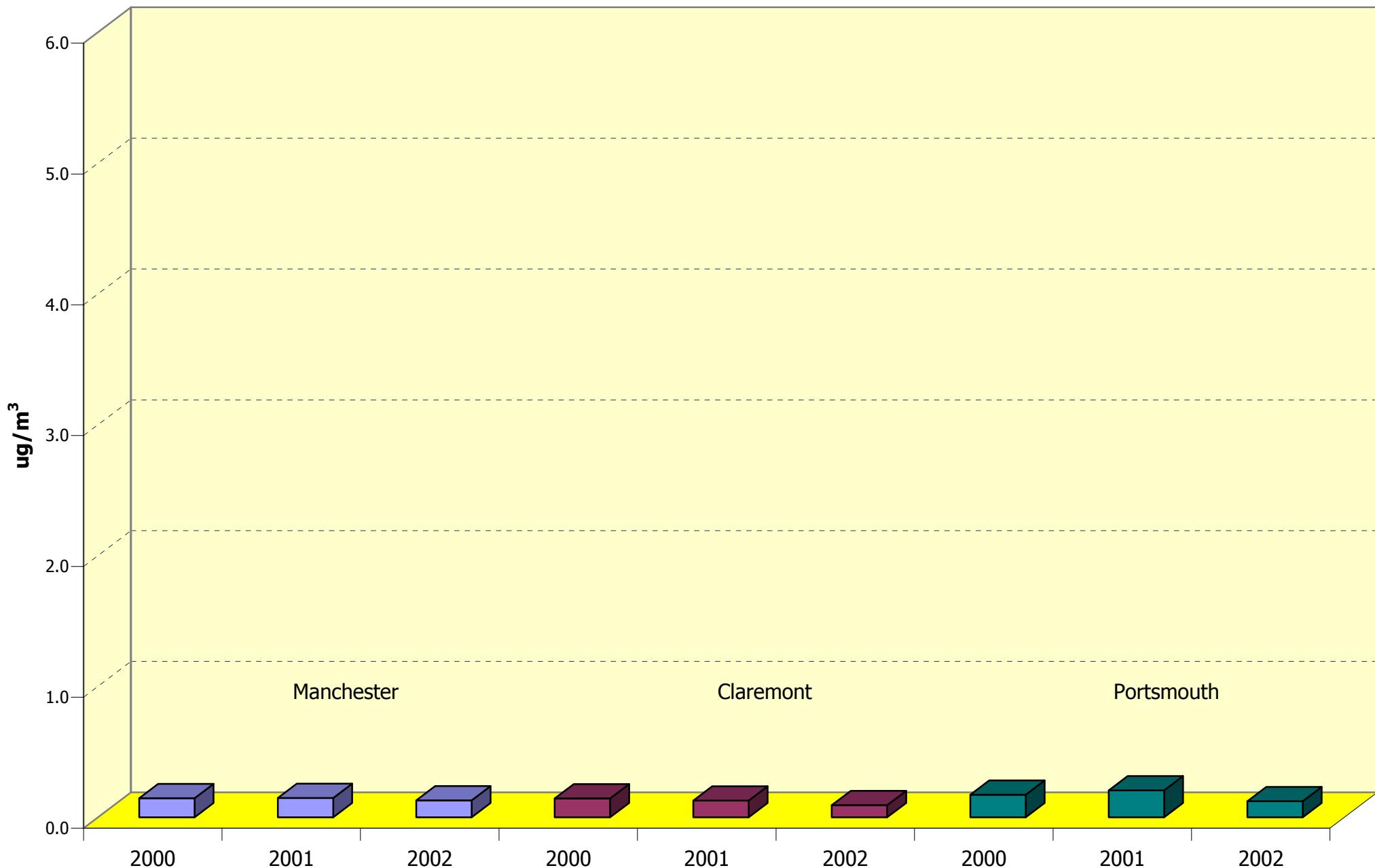
New Hampshire Department of Environmental Services - Air Resources Division

Average Annual Ambient Concentrations - Methyl-t-butyl ether



New Hampshire Department of Environmental Services - Air Resources Division

Average Annual Ambient Concentration - 1,3-butadiene

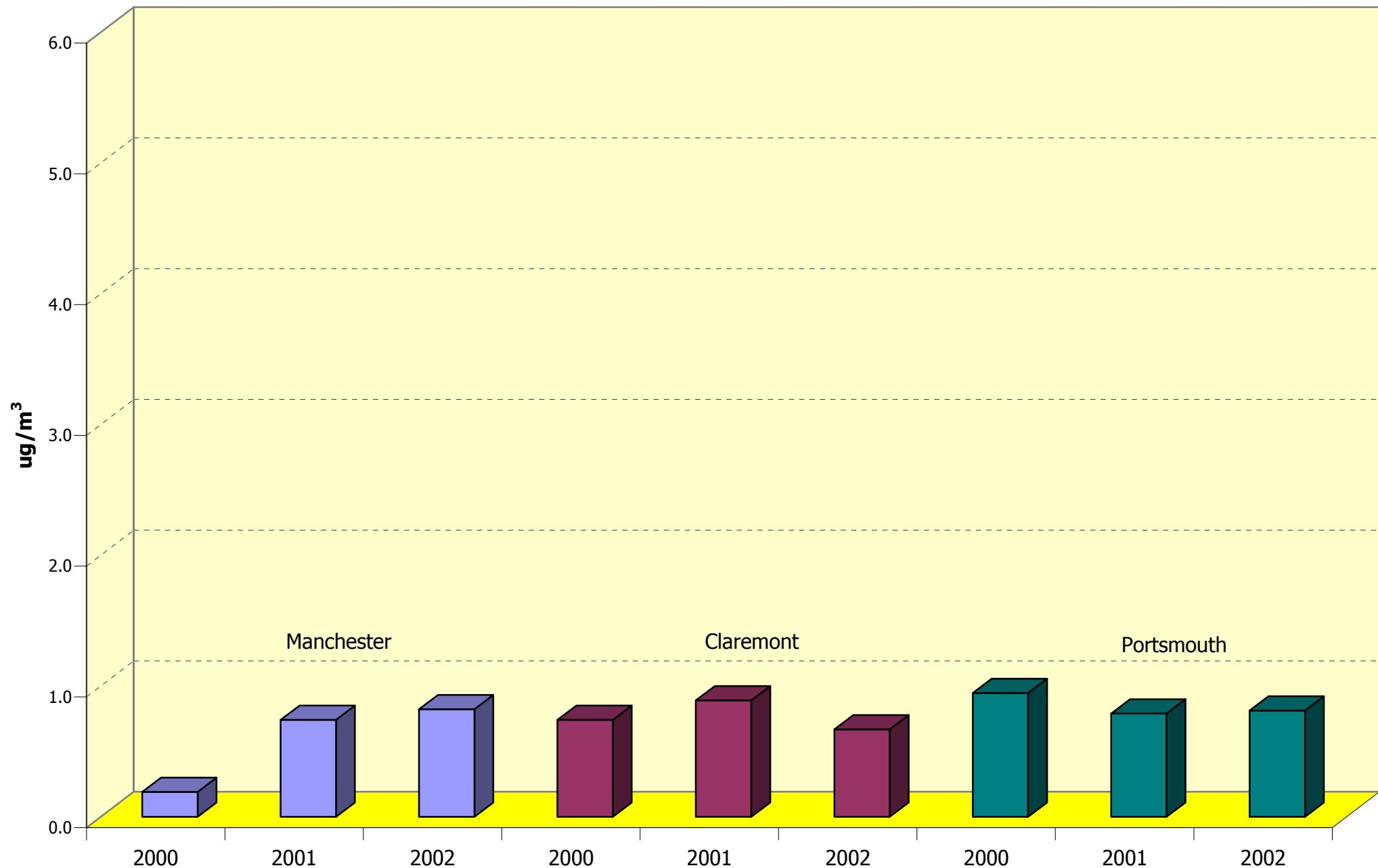


Average concentration reported as above the detection limit in >75% of the sample taken in a given year.

Created: 1/03

New Hampshire Department of Environmental Services - Air Resources Division

Average Annual Ambient Concentration - Acrolein

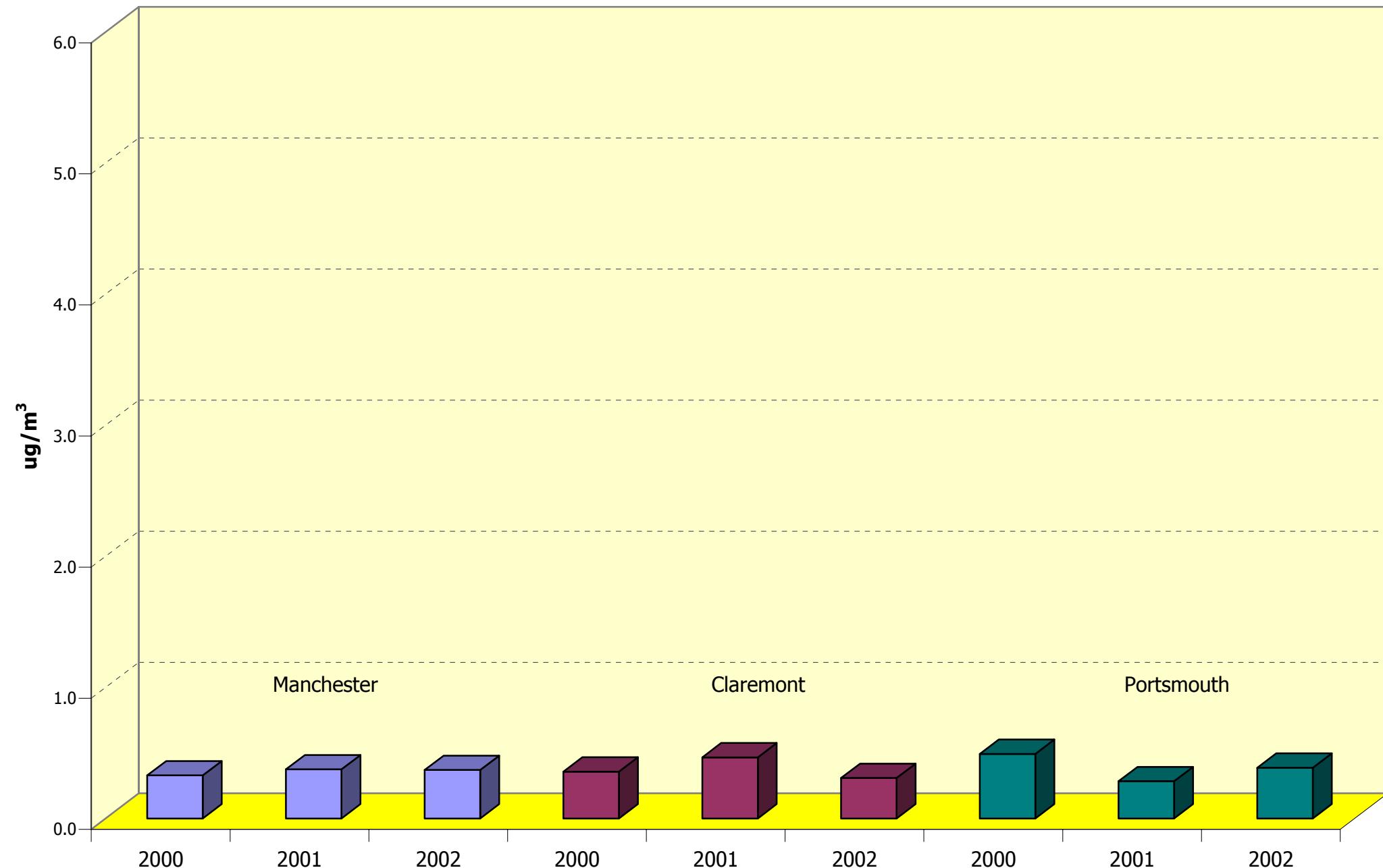


Average concentration reported as above the detection limit in >75% of the sample taken in a given year.

Created: 1/03

New Hampshire Department of Environmental Services - Air Resources Division

Average Annual Ambient Concentration - Ethylene oxide



Average concentration reported as above the detection limit in >75% of the sample taken in a given year.

Created: 1/03